

ALASKAN COPPER WORKS
3200 6TH AVE. S.
SEATTLE, WA 98134

Dear Toxic Release Inventory (EPA Form R) Reporter:

Attached is a report, produced by EPA, which lists the chemical identities and corresponding release values for the Form R's EPA received from the facility listed above for Toxic Release Inventory (TRI) Reporting Year 1991 (RY91).

It is EPA's intention to represent all data reported by your facility as accurately as possible. In order to do this, EPA has implemented a variety of quality control procedures. We believe our data entry is of good quality. However, as a final quality control measure, we ask that you verify the critical release value information listed on this report against your Form R files. If you find any data entry errors, please let us know by following these simple instructions:

- o On the attached report, use a red pen to mark through the erroneous value, and write the corrected value next to it.
- o Return the corrected report to:

The EPCRA Reporting Center
P.O. BOX 3348
Merrifield, VA 22116-3348
Attn: TRI 100%

We request that you do this within 21 calendar days of receipt, so that we may correct your data before we make it publicly available in the next data release. If you do not find any errors in this report, no response is necessary.

Please DO NOT use this report to make changes to release values or any other data which you reported incorrectly. Those changes should be submitted to EPA by making a photocopy of your Form R, writing 'REVISION' in red ink in the space labeled 'For Your Optional Use Only' on page one of the form, marking through the original data and writing in the revised data in red ink. The certification signature block on the revised form must contain an original signature. Mark through the photocopied signature and re-sign the revised form. Return the revised form to the address above. The attention line on the envelope should read: 'Attn: RY91 Revision'.

Please keep these facts in mind when reviewing the accuracy and completeness of this report:

- 1) The report lists only those Form R's which have completed our internal data quality checks. If one or more forms submitted by your facility is not listed here, you will be receiving additional correspondence from us soon.
- 2) The data represented here may not reflect any voluntary revisions submitted by your facility, if those revisions were not processed by the time we produced this report.
- 3) We have applied certain naming conventions to the way in which your facility's name is represented. For example, we always list the main company name first, followed by the division name. In addition, we use standard abbreviations for certain words such as Corporation (Corp.) and Highway (Hwy.). Please correct this information only if the actual data is incorrect.

If you have any questions about the information on this report, please call the EPCRA Reporting Center:

703-816-4445

Let the receptionist know that you are calling about the 'TRI 100% Industry Review'. The receptionist will connect you with a person who can answer your questions.

Thank you for your efforts in helping us to make Toxic Release Inventory data as accurate as possible.

Finally, we would like to suggest that you consider using magnetic media for submitting your reports in the future. Magnetic media reporting by a facility allows us to enter your data exactly as you provide it, and eliminates any opportunity for EPA to make data entry errors. A magnetic media program available from EPA will be sent to you along with the 1992 reporting package, free of charge. In addition, there are a number of commercial software packages available for your use which contain features not found in EPA's Automated Form R software. We think that you will find that reporting on diskette is both easier and more cost effective, both for facilities and the government, and that it helps to insure higher data quality. We hope that you will try magnetic media reporting, and submit your future reports on diskette.

Steven D. Newburg-Rinn

Steven D. Newburg-Rinn, Chief
Toxic Release Inventory Information
Management Branch (TS-793)
Information Management Division
Office of Pollution Prevention
and Toxics
Office of Prevention, Pesticides
and Toxic Substances
U.S. Environmental Protection
Agency

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RELEASE VALUE REPORT

Document Control Nbr.	Chemical Name	CAS Number
13-91-05520612-8-WA	NICKEL	007440-02-0

5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	no value
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.1.01	Transfer to other off-site BURLINGTON ENVIRONMENTAL	1 - 10
6.1.A	Total quantity transferred to POTWs	1 - 10
8.1.A	Quantity released	0
8.1.B	Quantity released	0
8.1.C	quantity released	0
8.1.D	Quantity released	0
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	0
8.5.B	Quantity recycled off-site	0
8.5.C	Quantity recycled off-site	0
8.5.D	Quantity recycled off-site	0
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from remedial actions	0
8.9	Production ratio or activity index	1.80

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R E L E A S E V A L U E R E P O R T

Document Control Nbr.	Chemical Name	CAS Number
13-91-05520614-2-WA	CHROMIUM	007440-47-3
5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies	NA
5.4	Underground injections on-site	no value
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.1.01	Transfer to other off-site BURLINGTON ENVIRONMENTAL	1 - 10
6.1.A	Total quantity transferred to POTWs	11 - 499
8.1.A	Quantity released	0
8.1.B	Quantity released	0
8.1.C	quantity released	0
8.1.D	Quantity released	0
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	0
8.5.B	Quantity recycled off-site	0
8.5.C	Quantity recycled off-site	17
8.5.D	Quantity recycled off-site	17
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from remedial actions	0
8.9	Production ratio or activity index	1.80

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R E L E A S E V A L U E R E P O R T

Document Control Nbr.	Chemical Name	CAS Number
13-91-05520615-5-WA	MANGANESE	007439-96-5

5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	no value
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.1.01	Transfer to other off-site	no value
6.1.A	Total quantity transferred to POTWs	NA
8.1.A	Quantity released	0
8.1.B	Quantity released	0
8.1.C	quantity released	0
8.1.D	Quantity released	0
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	0
8.5.B	Quantity recycled off-site	0
8.5.C	Quantity recycled off-site	0
8.5.D	Quantity recycled off-site	0
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from remedial actions	0
8.9	Production ratio or activity index	1.80

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R E L E A S E V A L U E R E P O R T

Document Control Nbr.	Chemical Name	CAS Number
13-91-05520613-0-WA	NITRIC ACID	007697-37-2
5.1	Fugitive or non-point air emissions	11 - 499
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	no value
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.1.01	Transfer to other off-site BURLINGTON ENVIRONMENTAL	1 - 10
6.1.A	Total quantity transferred to POTWs	NA
8.1.A	Quantity released	5
8.1.B	Quantity released	9
8.1.C	quantity released	5
8.1.D	Quantity released	5
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	0
8.5.B	Quantity recycled off-site	0
8.5.C	Quantity recycled off-site	0
8.5.D	Quantity recycled off-site	0
8.6.A	Quantity treated on-site	15,000
8.6.B	Quantity treated on-site	25,000
8.6.C	Quantity treated on-site	15,000
8.6.D	Quantity treated on-site	15,000
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	270
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from remedial actions	0
8.9	Production ratio or activity index	1.80